

Regional annotated mycobiota new to the Mycotaxon website

ABSTRACT—Mycotaxon is pleased to add three new annotated species distribution lists to our collection of previously posted free-access fungae. These checklists may be downloaded from our website via <http://www.mycotaxon.com/mycobiota/>.

NORTH AMERICA

United States

THERESA KADISH, JULES AMANITA, KATHLEEN WHITE, TYLER G. VINCA, DREW ACOFF, REBECCA GRABARCHUK, MICHAEL ABDALLAH, & KENNEDY WHITE. Macrofungi from the East Brook Valley of Delaware County New York, USA. 42 p.

ABSTRACT—This study surveys the area of East Brook Farm, Walton, NY, for its macrofungi biodiversity in seven site locations over a five week period from July – August 2021. Macrofungi specimens were collected, photographed, described, and dehydrated for preservation in herbarium archives stored at Binghamton University. A total of 41 species were collected and described. Species descriptions, location details, and phylogenetic information are provided in this survey. The importance of citizen science and collaborative surveying is also discussed.

KEYWORDS —biodiversity, collaborative, citizen science, survey

D.S. NEWMAN, R.A. CRONCE, E.D. DOMBKOWSKI, C.B. DOOLEY. Checklist of fungi from the first Richard P. Korf Memorial North American Ascomycete Foray and Purchase Knob AscoBlitz.

ABSTRACT—Held in honor of legendary Cornell discomycetologist and Mycotaxon co-founder, the Richard P. Korf Memorial North American Ascomycete Foray (colloquially referred to as “The Korf Foray”) and Purchase Knob AscoBlitz are believed to represent the first ascomycete-focused forays ever conducted in the United States. Modeled after the meetings of the Pacific Northwest Key Council and the ascomycete field workshops

of northern Europe, both events took place in mid-August of 2023 in western North Carolina, at the Highlands Biological Station and Appalachian Highlands Science Learning Center, respectively. Each were made possible by generous contributions from the Korf family and Discover Life in America.

The Korf Foray attracted a total of 22 participants (including four scholarship recipients) from the United States and Germany, with seven continuing on to the AscoBlitz, resulting in the generation of approximately 275 fungal records supported by 211 vouchered collections. Among these are represented at least 88 genera, 62 families, 29 orders and 11 classes within the Ascomycota. The majority of collections will be deposited at the Cornell Plant Pathology Herbarium (CUP), with specimen data available in the online checklist which will be updated periodically.

Corresponding macro- and micro-photography are available on iNaturalist, linked from each collection record in the checklist (<https://www.inaturalist.org/projects/the-richard-p-korf-memorial-north-american-ascomycete-foray-2023>).

KEYWORDS — diversity, bioblitz, North Carolina, Highlands, parataxonomy, events, ascomycetology, education

SOUTH AMERICA

Brazil

LOPES, CASSIANE FURLAN, ALICE LEMOS COSTA, MARINES ÁVILA HEBERLE, KAMILLE RODRIGUES FERRAZ, JAIR PUTZKE. Muscicolous Agaricales (Basidiomycota: Agaricomycetes) found in Brazil.

ABSTRACT— Agaricomycetes muscicolous fungi have been little studied in Brazil, both in their taxonomy and in ecology. Thus, here we present a compendium of species of muscicolous Agaricales found in Brazil based on a bibliographic review. To assist the taxonomic identification of the group, a dichotomous identification key is also proposed. Based on the literature review, 19 species of muscicolous Agaricales were cataloged as occurring in Brazil. Among the species dealt with here, nine are identified as moss parasites. This demonstrates a great gap in the scientific knowledge of this subject in Brazil, which needs a broad deepening to better understand the diversity of these interactions and their ecology.

KEYWORDS — Bryophilous fungi, Bryophyta, parasitic associations.